



Leica CM1510 S

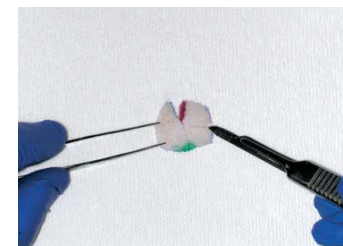
The Economic Cryostat
for Routine Histology

Leica
MICROSYSTEMS

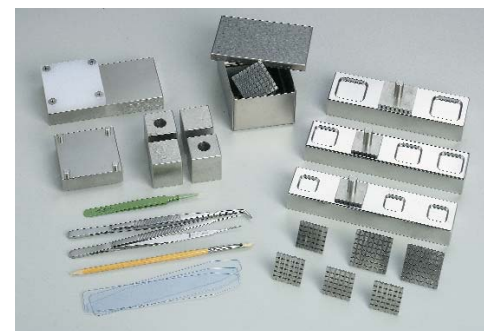
Compact Dimensions, High Specimen Throughput, Excellent Cost-Performance Ratio

The new Leica CM1510 S is a cryostat which reliably meets all demands in routine cryomicrotomy and excels by outstanding economic efficiency: a very attractively priced instrument which leaves no desires open in its class; compact dimensions – especially advantageous in laboratories where space is limited; high specimen throughput for rapid and efficient performance, and a proven track record of reliability. And of course – just as any other Leica product – the Leica CM1510 S offers exemplary safety standards and is capable of fulfilling even the most exacting operator requirements for excellent ergonomics.

The Leica CM1510 S is the best value cryostat available for Mohs surgery. Mohs micrographic surgery is a means of excising skin cancers in layers, rapidly freezing and cutting thin sections of the frozen tissue samples, and examining the sections microscopically until a layer is reached that is free of tumor.



Precise and fast cryo-embedding with the new Cryoembedding System by Dr. Stephen Peters.*



Fast: Motorized coarse feed

The motorized coarse feed enables rapid trimming. Two different speed settings in each direction for improved efficiency.

Comfortable: The handwheel

To ensure protection against injury when changing specimens and/or knives, the smooth-running handwheel is lockable in the upper position.

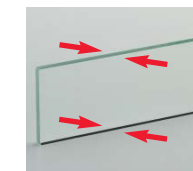


Knife holder CN* for standard microtome knives

The CN knife holder is equipped with a high-quality glass anti-roll plate, as is



the CE knife holder. The edges of the glass insert are manufactured using a special procedure to make them more durable and fracture-resistant. All four edges of the insert can be used.

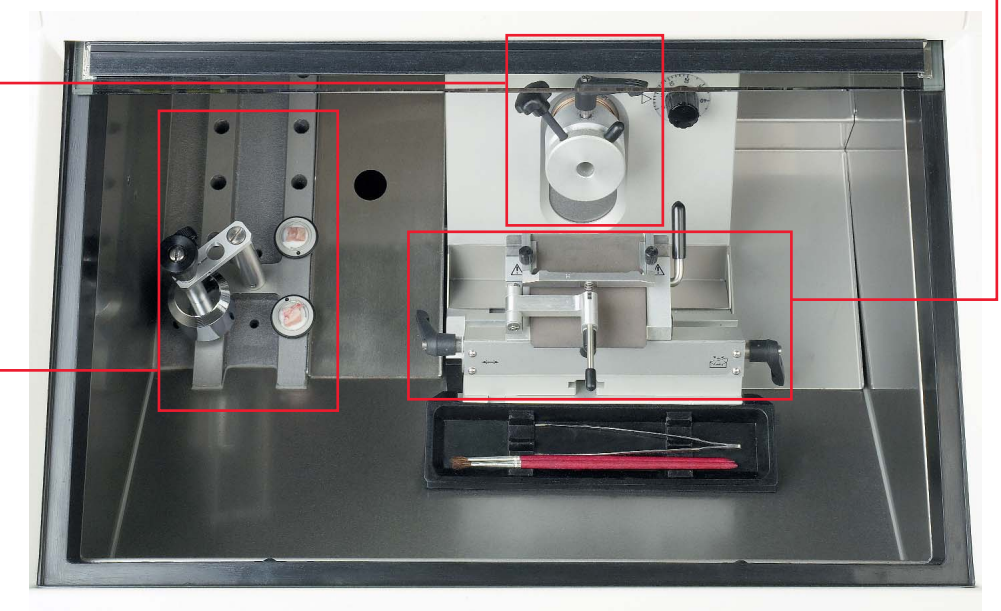


Rapid: The specimen orientation

The easy-to-use specimen orientation system produces top quality sections – even of critical samples such as skin – in a minimum of time.

Powerful: The quick-freezing shelf

The actively cooled quick-freezing shelf (-45 °C) with heat extractor allows extremely fast specimen freezing. A manual defrost cycle can be activated whenever necessary.



Spacious: The stainless steel cryochamber

The perfectly illuminated and insulated cryochamber is easily accessible through a heated sliding window. Ample space is provided for convenient specimen handling.

Characteristics of the Leica CM1510 S

- Splash-protected high precision microtome
- Specimen orientation
- Motorized coarse feed in two different speeds
- Cryochamber temperature 0 °C to -30 °C
- Automated and manual cryochamber defrost cycle
- Actively cooled quick freezing shelf, lowest possible temperature -45 °C, with manual defrost on demand
- Illuminated cryochamber
- Heated sliding window, removable
- Compact dimensions
- Cryocabinet on rollers

Functional: The CE* knife holder

The lateral displacement feature of the CE knife holder for disposable blades allows the use of the whole blade length. The integrated glass anti-roll guide is automatically carried along when displacing the knife holder. The CE knife holder is ideally suited for cutting serial sections of up to 3 µm in thickness.

* Optional accessories

Leica CM1510 S – Technical specification

Section thickness selection: 1 to 60 µm:
 in 1-µm steps from 1 to 10 µm
 in 2-µm steps from 10 to 20 µm
 in 5-µm steps from 20 to 60 µm

Maximum specimen size: 55 mm Ø

Total horizontal specimen feed: 25 mm

Total vertical specimen stroke: 59 mm

Specimen orientation: with 0-positioning,
 8° x/y, part of standard delivery

Trimming: via motorized coarse feed

Motorized coarse feed: 2 speed settings:
 rapid: 0.65 mm/sec
 slow: 0.3 mm/sec

Refrigerating capacity:

Temperature selection range: 0 °C to -30 °C

Time required to refrigerate to -30°C: approx. 3 h
 at 22 °C ambient temperature

As confirmed by the successful c-CSA-us certification, the Leica CM1510 S has been designed and manufactured in compliance with UL, CSA and IEC requirements.

State-of-the-art development, manufacturing and quality control

Chamber defrosting: automatic hot gas defrosting cycle;
 duration: 8 min. Starting time
 freely programmable;
 manual defrost cycle on demand

Temperature
 of quick freeze shelf: max. -45 °C
 at a cryochamber temperature of -30 °C

Quick freeze
 shelf defrosting: manual defrost cycle on demand

Cryocabinet:

Dimensions (W x H x D): 680 x 1175 x 680 mm

Weight (incl. microtome): 120 kg

procedures – certified under DIN EN ISO 9001 – ensure highest quality and reliability.

A wide range of accessories available on request.

Technical specification subject to change without prior notice.

For further information please contact your local Leica sales company

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